

What is claimed is:

1. A wireless lock system, comprising:
an electronic lock device;
an electronic key device;
said lock device and said key device being wirelessly connected;
said lock device storing a public key and said key device storing a private key of an encryption key pair;
said lock device being opened when said key device approaches said lock device, and an encrypted signal is exchanged between said lock device and said key device.
2. The wireless lock system according to claim 1, wherein said lock device and said key device are wirelessly connected using short range communication like Bluetooth protocol.
- 3.. The wireless lock system according to claim 1, wherein said lock device is a virtual lock device in a form of a software module controlling access to digital resources.
4. The wireless lock system according to claim 1, wherein said lock device stores public keys for a plurality of authorized key holders.
5. The wireless lock system according to claim 1, wherein said public key is stored in a plurality of lock devices for which entry is authorized for said key device.
- 6 The wireless lock system according to claim 1, wherein a different public key is stored in each lock device for which entry is authorized for said key device.

7. The wireless lock system according to claim 1, wherein said electronic key device is a portable wireless device carried by a user.

8. The wireless lock system according to claim 6, wherein said electronic key device is a wireless telephone.

9. The wireless lock system according to claim 6, wherein said electronic key device is worn by the user.

10. The wireless lock system according to claim 1, wherein said key device includes a power source, a processor, non-volatile memory and a transmitter/receiver unit.

11. The wireless lock system according to claim 10, wherein said key device further includes a user authentication device.

12. A wireless lock system, comprising:
an electronic lock device;
an electronic key device;
said lock device and said key device being wirelessly connected;
said lock device storing a public key and said key device storing a private key of an encryption key pair;
said lock device being opened when said key device approaches said lock device,
and an encrypted signal is exchanged between said lock device and said key device;

said key device containing electronic tickets for distribution to others which also open said lock device, said tickets being generated by said key device with optional limits.

13. The wireless lock system according to claim 12, wherein said electronic lock device is a virtual lock device in a form of a software module controlling access to digital resources.

14. The wireless lock system according to claim 13, wherein said ticket grants access to at least part of the said digital resources.

15. The wireless lock system according to claim 12, wherein said limits include number of uses.

16. The wireless lock system according to claim 12, wherein said limits include time of day.

17. The wireless lock system according to claim 12, wherein said limits include authorization to generate further tickets.

18. The wireless lock system according to claim 12, wherein said tickets can be transferred electronically.